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ENGLISH TRANSLATIONS OF FISHERY LITERATURE
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UNITED STATES DEPARTMENT OF THE INTERIOR
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EXPLANATORY NOTE

The series embodies results of investigations, usually of restricted scope, intended to aid or direct management or utilization practices and as guides for administrative or legislative action. It is issued in limited quantities for official use of Federal, State or cooperating agencies and in processed form for economy and to avoid delay in publication.

United States Department of the Interior, Fred A. Seaton, Secretary
Fish and Wildlife Service

ENGLISH TRANSLATIONS OF FISHERY LITERATURE
ADDITIONAL LISTINGS, 1957

By

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Special Scientific Report--Fisheries No. 227.

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ENGLISH TRANSLATIONS OF FISHERY LITERATURE
ADDITIONAL LISTINGS, 1957

INTRODUCTION

This report is a continuation of a series begun by W. M. Chapman during his association with the Washington State Department of Fisheries. The series was initiated to provide fishery investigators with information on the amount and availability of English translations of fishery literature.

The first two sections of this series have been issued by the Washington Department of Fisheries, Fishermen's Terminal, Seattle 99, Washington, and copies may be obtained on request to that agency. The third, fourth, and fifth reports, undertaken with the cooperation of the above agency, were published by the U. S. Fish and Wildlife Service as Special Scientific Report--Fisheries Nos. 35, 72, and 176, and are available from the Washington office of the Service.

Those who wish to contribute to future issues may send their translation references to the compiler at the U. S. Fish and Wildlife Service, Boothbay Harbor, Maine. The necessary bibliographic information on each translation should be submitted as follows:

1. Author
2. Date
3. Title in the original language, if the English alphabet is used; otherwise, a direct translation into English rather than transliteration into the English alphabet in such cases as Japanese, Russian, etc.
4. Name of the journal, series, or institution responsible for the publication, if contained in a serial.
5. Volume, number of pages, and place and date of printing (the latter to be given if it is not the same as the date of the article or serial).
6. Name of translator and translator's address (when possible).
7. Whether translation is complete or partial.
8. Number of pages of translation.
9. Where the translation may be obtained and the cost, if any.

As in the previous five sections, the compiler does not assume responsibility for the accuracy or completeness of the translation references. In all cases, the translations of the publications are assumed to be complete, unless otherwise indicated.

To conserve labor and space, certain abbreviations have been used throughout to indicate where and how the translations can be obtained. They are as follows:

ABS: Fishery Research Board of Canada, Atlantic Biological Station, St. Andrews, New Brunswick, Canada. Translations available on interlibrary loan.

BMFF: British Ministry of Agriculture, Fisheries and Food, Lowestoft, England. Those who desire translations from the Lowestoft Library should send their request to the Branch of Fishery Biology, U. S. Fish and Wildlife Service, Washington 25, D. C.

CFL: California State Fisheries Laboratory, Terminal Island Station, San Pedro, California. Translations available on interlibrary loan.

FOL: Fishery-Oceanographic Library, University of Washington, Seattle, Washington. Translations available on interlibrary loan.

FRI: Fishery Research Institute, University of Washington, Seattle, Washington. Translations available on interlibrary loan.

FWS: U. S. Fish and Wildlife Service, Washington 25, D. C. Translations available on interlibrary loan.

HOL: Hydrographic Office Library, U. S. Navy Hydrographic Office, Washington 25, D. C. Russian translations available on interlibrary loan; other translations on request from SLA.

PBS: Fishery Research Board of Canada, Pacific Biological Station, Nanaimo, British Columbia, Canada. Translations available on interlibrary loan.

SHD: Scottish Home Department, Fishery Laboratory, Aberdeen, Scotland. Translations available on interlibrary loan.

SIO: Scripps Institute of Oceanography, La Jolla, California. Translations available on interlibrary loan.

SLA: Special Libraries Association, John Crerar Library, 86 E. Randolph Street, Chicago 1, Illinois. Translations available as photoprints or microfilms, with service fee.

The abbreviation CSS refers to Canada Secretary of State, Foreign Language Division, Bureau of Translations.

NOTE: In the fifth translation list (SSR--Fish. No. 176), there was a considerable number of references to translations held by SHD. Some of these translations have been microfilmed and are now held by FWS. It will now be more convenient for North Americans to borrow from FWS rather than SHD the following (numbers refer to those in SSR--Fish. No. 176): 1, 3, 9, 11, 12, 14, 17, 18, 22, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 60, 61, 62, 63, 64, 65, 67, 68, 69, 75, 76, 79, 80, 86, 91, 92, 96, 97, 106, 108, 113, 120, 122, 125, 127, 139, 141, 142, 143, 144, 145, 159, 165, 167, 171, 172, 174, 179, 180, 182, 183, 184, 189, 190, 191, 193, 197, 201, 209, 215, 220, 225, 230, 231, 232, 233, 235, 236, 237, 238, 240, 242, 245, 247, 248, 249, 250, 251, 254, 255, 266, 286, 301.

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